

# Yeastar NeoGate TA Analog Gateways



NeoGate TA Analog VoIP Gateways are cutting-edge products that connect legacy telephones, fax machines and PBX systems with IP telephony networks and IP-based PBX systems. Featuring rich functionalities and easy configuration, NeoGate TA is ideal for small and medium enterprises that wish to integrate a traditional phone system into IP-based system. NeoGate TA helps them to preserve previous investment on legacy telephone system and reduce communication costs significantly with the true benefits of VoIP.

- 4/8/16/24/32 FXS ports or 4/8/16 FXO ports
- Fully compliant with SIP and IAX2
- Flexible calling rules
- Reliable fax performance with T.38
- Provides high-quality voice compression with industry standard codecs
- Line echo cancellation for 8, 16, 32, 64 or 128 ms echo delays
- Web-based GUI for easy configuration and management
- Excellent interoperability with a wide range of legacy and IP equipment

## Specifications

	TA400/800	TA1600/2400/3200	TA410/810	TA1610
<b>Interfaces</b>				
Ports	4/8 FXS Ports	16/24/32 FXS Ports	4/8 FXO Ports	16 FXO Ports
Telephony Interfaces	RJ11	RJ11 and RJ21 50-pin Telco Connectors	RJ11	RJ11 and RJ21 50-pin Telco Connectors
Network Interfaces	1 10/100BASE-T Ethernet			
Indicators	Ports Status and Activity LEDs			
<b>Media Processing</b>				
Protocol	SIP (RFC3261), IAX2			
Transport	UDP, TCP, TLS, SRTP			
Codec	G.711 (alaw/ulaw), G.722, G.723, G.726, G.729A, GSM, ADPCM			
Voice Capability	ITU-T G.168 LEC Echo Cancellation, Dynamic Jitter Buffer, VAD, CNG, PLC			
DTMF Mode	RFC2833, SIP Info, In-band			
Fax	T.38 and Pass-through		T.30	
QoS	DiffServ, ToS, 802.1 P/Q VLAN tagging			
<b>Telephony Features</b>				
Call Handling	Attended and Blind Transfer, Call Forward, Call Waiting, Do Not Disturb, Hunting Groups, Hotline, MWI, 3-way Conference, CDR, Caller ID Display, Speed Dial		Programmable AC Impedance, Hangup Detection, Answer Detection, Caller ID Detection	
<b>Security/ IP Services</b>				
Firewall	Built-in Firewall, IP Blacklist, Attack Alert			
Network	DHCP, DDNS, OpenVPN, Static Route, VLAN			
Nat Traversal	Static NAT, STUN			
Network Protocol	FTP, TFTP, HTTP, HTTPS, SSH			
<b>Management</b>				
Protocol	RADIUS, TR-069*	SNMP, RADIUS, TR-069*	TR-069*	
Provisioning	Web GUI, Auto Provisioning with MyPBX, Backup and Restore, Firmware Upgrade by HTTP/TFTP			
Configuration	Remote Management, Packet Capture, System Logs, Voice Menu for FXS Gateways Basic Configuration, API			
<b>Connectivity</b>				
Signaling	FXS Loop Start, FXS Kewl Start		FXO Loop Start, FXO Kewl Start	
Caller ID	BELL202, ETSI (V23), NTT (V23-Japan), and DTMF-based CID			
Disconnect Methods	Busy Tone, Polarity Reversal			
<b>Physical</b>				
Power	12V, 1A	AC 100-240V (12V 5A)	12V, 1A	AC 100-240V (12V 5.5A)
Dimensions (L x W x H) (mm)	200 x 137 x 25	440 x 250 x 44	200 x 137 x 25	440 x 250 x 44
Environment	Operation Range: 0°C to 40°C, 32°F to 104°F; Storage Range: -20°C to 65°C, -4°F to 149°F; Humidity: 10-90% non-condensing			
Mounting	Desktop, Wall-mount	Desktop, Rack-mount	Desktop, Wall-mount	Desktop, Rack-mount
<b>Compatibility</b>				
Softswitch and IP-PBX	Interoperable with 3CX, Asterisk, Lync Server, FreePBX and certified with Elastix and BroadSoft			

\*Feature in the next release